

ABSTRACTLEADING EDGE MOBILE FLAP FOR A MAIN WING OF AN AIRCRAFT
WING SYSTEM, AND MAIN WING FITTED WITH SUCH A FLAP

The invention relates to a leading edge mobile flap (16) for a main wing of an aircraft, this flap including an aerodynamic skin (18) that has a bird impact-sensitive frontal area (24), and a rear skin 5 (28) integral with the aerodynamic skin (18), the flap also comprising a plurality of ribs (34) spaced out along a leading edge longitudinal direction (X'). According to the invention, the flap additionally includes, between two directly consecutive ribs, a 10 single rigid bird trajectory-deflecting wall (42) anchored to the skins (18, 28). Furthermore, in a cross-section taken along any plane orthogonal to the direction (X'), the wall (42) forms with a geometric chord (26) of the flap an angle (α_1) with a value of 15 less than 45° .

Figure 3.